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## HISTORIC AMERICAN ENGINEERING RECORD

### INDEX TO PHOTOGRAPHS

HAER No. CA-197

Central Pacific Transcontinental Railroad, Tunnel 18  
(Newcastle Tunnel)  
Southern Pacific Donner Pass Route Tunnels  
Milepost 120.5  
Newcastle  
Placer County  
California

For written information regarding Tunnel 18, please refer to Central Pacific Transcontinental Railroad (HAER No. CA-196). Note also that all references to tunnel portals are given in Southern Pacific Railroad terminology. Headquartered in San Francisco, the SP considered all trains heading *away* from San Francisco to be eastbound, all trains heading *toward* San Francisco to be westbound, regardless of actual cardinal direction. Thus a train heading north from Los Angeles to Portland would be westbound until it passed San Francisco, at which time it would become eastbound. Similarly, the railroad referred to all tunnels and other structures along its lines in the same fashion, with tunnels always having west and east portals. Direction of view in the captions will indicate cardinal direction.

Documentation: 6 photographs (1997)

Ed Andersen, Photographer  
John Snyder, Field Director

### PHOTOGRAPHS

CA-197-1 West portal of Tunnel 18, contextual view to east-northeast, 135mm lens.

CA-197-2 West portal of Tunnel 18, view to east, 135mm lens.

CA-197-3 West portal of Tunnel 18, oblique view to southeast, 135mm lens.

CA-197-4 East portal of Tunnel 18, contextual view to west, 135mm lens.

CA-197-5 East portal of Tunnel 18, view to west, 135mm lens.

CA-197-6 East portal of Tunnel 18, oblique view to northwest, 135mm lens. This view shows to advantage the stepped ashlar granite wingwalls and fitted rubble slab slope protection flanking the portal, features typical of the Southern Pacific Common Standard tunnels.